



Scott Walker, Governor
Dave Ross, Secretary

September 29, 2016

CUST ID No. 1359582

ROBIN CASSIDY
NORWECO INC
220 REPUBLIC ST
NORWALK OH 44857-1196

CONDITIONAL APPROVAL
PLAN APPROVAL EXPIRES: 09/30/2021

Re: Description: SEWAGE TREATMENT SYSTEMS, AERATED
Manufacturer: NORWECO, INC.
Product Name: (trans id 2762922) SINGULAR GREEN
Model Number(s): 960-500/GREEN TNT-- FOR DOMESTIC WASTEWATER TREATMENT

3-COMPARTMENT PLASTIC TANK WITH SINGULAR AERATOR, A
TERTIARY TREATMENT DEVICE, MIDDLE AERATION TANK AND
APPROVED EFFLUENT FILTER IN THE THIRD COMPARTMENT; ALL
CONCRETE TANKS MUST HAVE STATE-APPROVAL

(36 IN. MAX. DEPTH OF BURY; MAX. DFW 500 GPD; MAX. 1.2 LBS.
BOD5/DAY; MIN. 450 GAL. CAPACITY UPSTREAM SEPTIC TANK; RISERS 6-
72 IN. HIGH; ACTUAL CAPACITY 1300 GALS.; TANK DIMENSIONS = 123 IN.
L X 78 IN. W X 66 IN. H)

[SUSPENDED GROWTH MEDIA; BIO-KINETIC WASTEWATER SYSTEMS,
CHLORINE DOSED SYSTEM CONTAINED IN 3-COMPARTMENT TANK WITH
AERATOR AND BK-2000 EFFLUENT FILTER SYSTEM; OPTIONAL AT-1500
UV SYSTEM]

Product File No: 20160213

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of September 2021.**

This approval supersedes the approval issued on 7/25/2011 under product file number 20110121.

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.

Identification Numbers
Transaction ID No. 2762922
Site ID No.
Please refer to both identification numbers, above, in all correspondence with the agency.

- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- This product must have a warning label located on the cover of the BIO-KINETIC system stating "WARNING DO NOT ENTER TANK. THE BIO-KINETIC SYSTEM MUST BE SERVICED FROM GRADE USING PROPER TOOLS AND EQUIPMENT. CONTACT YOUR LOCAL NORWECO DISTRIBUTOR FOR SERVICE."
- When this product does NOT include the integral Bio-Kinetic UV system and receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L TSS and F.O.G. of less than 30 mg/L.
- When this product includes the integral Bio-Kinetic UV system and receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L TSS and F.O.G. of less than 30 mg/L and fecal coliform of less than or equal to 10,000 cfu/100ml.
- This product must be installed downstream of treatment tank(s) recognized by this department to treat G.P.D. flow that will discharge to this product.
- When the Bio-Kinetic UV Disinfection System (AT1500) and the bulb or any other part of the UV System fails, the Service Pro Control Center will employ both audible and visual alerts.
- AERATOR: A SINGULAR ® AERATOR, providing 1725 rpm and 60 hertz, single-phase fractional HP motor is required of all installations and installed above grade.

Table 1
INSPECTION AND MAINTENANCE
PRODUCT/(Models) NORWECO
SINGULAIR WASTEWATER TREATMENT SYSTEM
(960-1000)

Initial/Startup Inspection/ Maintenance	Conducted by certified installer/local contractor
Routine Inspection/Maintenance	Six-month intervals
Ongoing Pumping Cycle And/Or Requirements	As required by state/local agents
Back-Wash Cycle	N/A
Effluent Performance Levels	Class I NSF
BOD5 Credit For Downsizing Distribution Area	YES*
Fecal Credit For Reduction Of Vertical Separation	SEE ABOVE STIPULATIONS
Additional Comments	Bio-neutralizer de-chlorination tubes not recommended in WI
	Manufacturer may require service agreement and trained personnel
	* See above stipulation

- When this product includes the integral BIO-KINETIC UV SYSTEM and receives wastewater from dwellings receives wastewater quality with a maximum monthly average value for BOD5 of less than or equal to 220 mg/L, TSS of less than or equal to 150 mg/L TSS and F.O.G. of less than or equal to 30 mg/L the effluent from this product will have a fecal coliform value of less than or equal to 10,000 cfu/100 mL.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen Jones, M.S., POWTS Product Reviewer
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The DSPS is committed to service excellence. Visit our survey at:
www.surveymonkey.com/s/dspscustomersatisfaction